

Evaluation of Effectiveness of Main Factors on the Reduction of Loading and Discharging Performance Versus Loading and Discharging Rate of Dry Bulk Terminal (Case Study of Imam Khomeini Port)

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Abstract

The aim of this article is to measure the impact of main factors affecting the reduction of discharge and loading performance compared to dry bulk discharge and loading in terminal of Imam Khomeini Port. For this purpose, the actual data presented in Imam Khomeini Port for discharging and loading statistics and library documented data were used. In order to answer the research questions, multiple regression method was used applying STATA14 software. According to the first model results, variables such as displacement of labour equipment, technical defect of ship equipment and delay in the separation had significant effect on loading rate via an indirect Chanel. Also, based on the second model results, independent variables such as displacement of labor equipment, technical defect of ship equipment and quarantine, had a significant effect on discharging rate variable and this effect found to be indirect. Moreover, almost all of the variables were significant in both regressing models.

Keywords: *Dry bulk terminal, Discharge and loading rate, Delays and stopping operations, Econometric, Imam khomeini Port.*
